## **EAST Search History**

| Ref<br># | Hits | Search Query  | DBs                  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|----------------------|---------------------|---------|------------------|
| L1       | 1    | "6688280".pn.   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 09:16 |
| L2       | 1    | "6273076".pn.   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 13:02 |
| L3       | 1    | 2 and supercharger and turbocharger   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 10:16 |
| L4       | 41   | zappa.inv.  | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 10:37 |
| L5       | 0    | 4 and variable adj valve  | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 10:40 |
| L6       | 4377 | 123/90.15,90.16,90.12,316,559.1,<br>562,563.ccls.   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 10:41 |
| L7       | 169  | 6 and variable with (valve and timing) and (supercharger\$1 or turbocharger\$1 or subcharger\$1 or compressor\$1 or turbine\$1)                             | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:26 |
| L8       | 84   | 123/299,305,90.17,90.18.ccls. and variable with (valve and timing) and (supercharger\$1 or turbocharger\$1 or subcharger\$1 or compressor\$1 or turbine\$1) | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:41 |
| L9       | 220  | 7 or 8  | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:27 |
| L10      | 135  | 9 and "variable valve timing"   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:27 |
| L11      | 26   | 10 and (turbochargers or superchargers)   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:33 |
| L12      | 20   | 11 and ((early or late)with clos\$3)with valve\$1   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:36 |
| L13      | 20   | 11 and ((early or late)with clos\$3)with valve\$1 and (intake or  | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:42 |
|          |      | induction or lift or opening)   |                      |                     |         |                  |
| L14      | 22   | 8 and ((early or late)with clos\$3)with valve\$1 and (intake or induction or lift or opening)   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:44 |
| L15      | 27   | 8 and ((early or late or delay)with clos\$3)with valve\$1 and (intake or industrian or lift or energies)  | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:47 |
| 147      |      | induction or lift or opening)   | UC DODUB             | 00                  | 055     | 2006/00/45 44 55 |
| L17      | 16   | 15 and fuel and (dual or multiple or main or pilot or auxiliary or pre)adj injection\$1   | US-PGPUB;<br>USPAT   | OR                  | OFF     | 2006/02/15 11:58 |
| L18      | 2    | jp-11163659-\$.did.   | EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/02/15 12:28 |

## **EAST Search History**

| USPAT   03-FGF0B, OR   OFF   2000/02/13 13: |  | L19 | 1 | "6273076".pn. and cam | US-PGPUB;<br>USPAT | OR | OFF | 2006/02/15 13:02 |
|---|--|-----|---|-----------------------|--------------------|----|-----|------------------|
|---|--|-----|---|-----------------------|--------------------|----|-----|------------------|